

FIG. 1

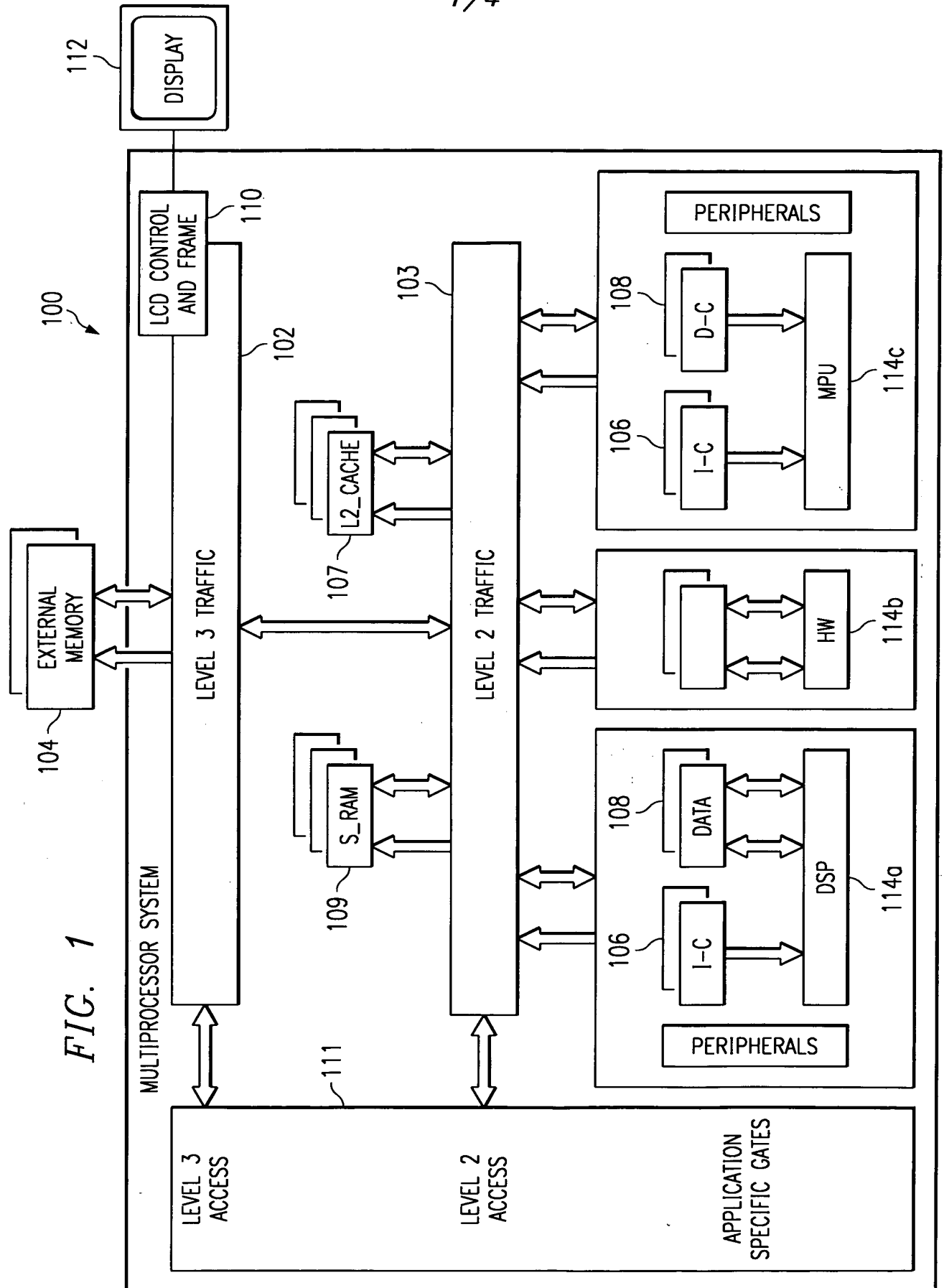


FIG. 2

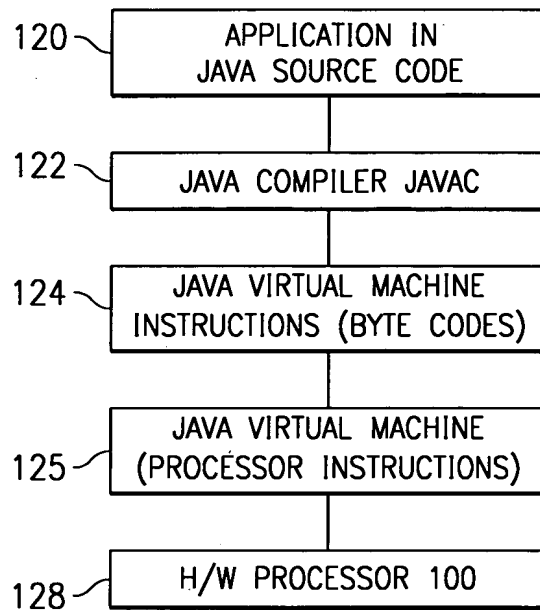


FIG. 5

INTEL PENTIUM II				TI DSP C55X			
	LANGUAGE	CYCLE	MEMORY		LANGUAGE	CYCLE	MEMORY
SWITCH THREADED RATIO	ANSIC GNUC	162	20	SWITCH THREADED RATIO	ANSIC C/ANSI	294	40
		132	80			183	80
		19%	400%			62%	200%
				SWITCH SWITCH-2 RATIO	ANSIC ANSIC	294 622 211%	40 20 50%

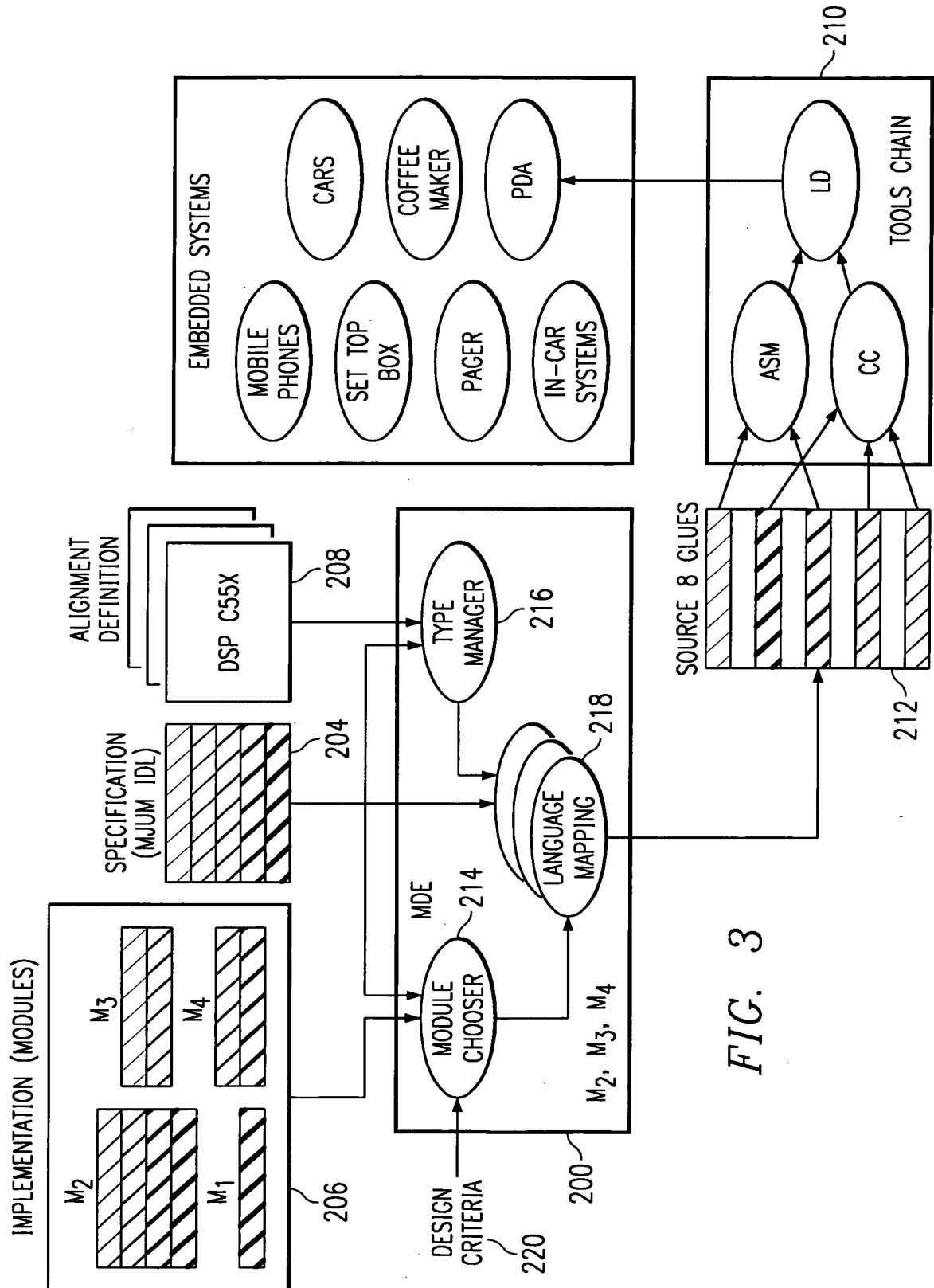


FIG. 3

FIG. 4

MODULE	DESCRIPTION
ARITHMETIC	
INTEGER	REPRESENTATION, OPERATIONS AND CONVERSION OF JAVA INT
LONG	REPRESENTATION, OPERATIONS AND CONVERSION OF JAVA LONG
FLOAT	REPRESENTATION, OPERATIONS AND CONVERSION OF JAVA FLOAT
DOUBLE	REPRESENTATION, OPERATIONS AND CONVERSION OF JAVA DOUBLE
JAVA FRAME	
LOCAL STACK	LOCAL VARIABLES MANAGEMENT AND ACCESS STACK MANAGEMENT AND ACCESS
CONTROL FLOW	
MOTOR BRANCH EXCEPTION	INTERPRETATION ENGINE BRANCHING AND SUBROUTINE EXCEPTION MANAGEMENT AND BRANCHING
OBJECT	
OBJECT	REPRESENTATION AND OPERATIONS ON OBJECT AND REFERENCE
FIELD	REPRESENTAION OF 'SMALL' TYPE AND FIELD ACCESS
ARRAY	REPRESENTATION AND OPERATIONS ON ARRAY AND ELEMENT
METHOD	METHOD INVOCATION AND PARAMETERS PASSING
INTERFACE	INTERFACE MANAGEMENT
STRING	INTERNAL STRING AND JAVA STRING REPRESENTATION
CLASS	
CIREPOS LOAD	CLASS REPOSITORY CLASS LOADER MANAGER
MISCELLANEOUS	
JNI THREAD	JAVA NATIVE INTERFACE SUPPORT THREAD AND MONITOR SUPPORT